

Smoltek newsletter, March 2020

Dear reader,

Spring is around the corner they say. And they might be right, things are actually getting brighter, at least from Smoltek's perspective. We have just signed our first license agreement. We have gotten further confirmation that our CNF-MIM capacitor concept is bang on target for the semiconductor industry. And we are seeing some good progress in both our lab work and IP efforts.

First license agreement signed – market update

Just a week ago we communicated that we had signed an evaluation license agreement with one of the ten largest capacitor manufacturers in the world. This is connected to a mutual project where the CNF-MIM-technology is to be evaluated according to specific requirements.

CEO Anders Johansson comments on the evaluation license agreement

We are all very pleased to see a first license agreement being signed. The press release was out last week, followed by a short interview.

[Read the press release and see the interview: https://www.smoltek.com/post/smoltek-signs-evaluation-license-agreement-with-leading-capacitor-manufacturer](https://www.smoltek.com/post/smoltek-signs-evaluation-license-agreement-with-leading-capacitor-manufacturer)

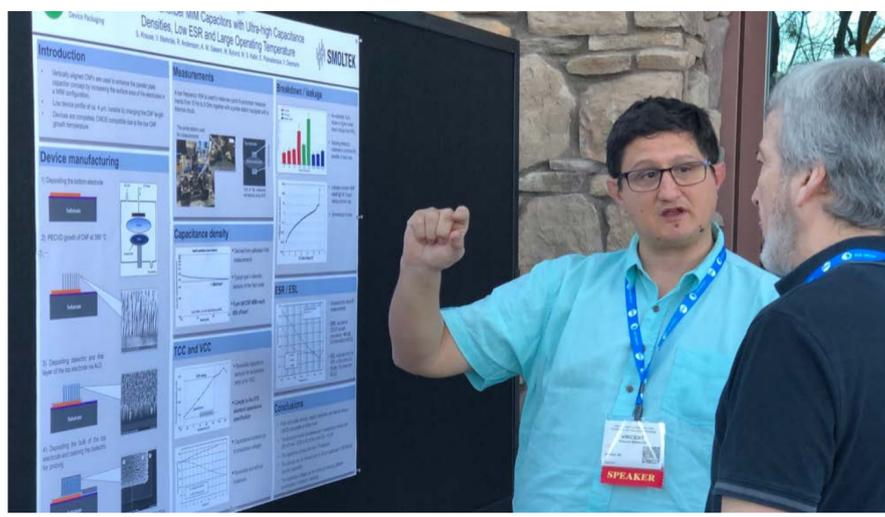


Smoltek CEO, Anders Johansson

CNF-MIM is needed as thin packages is the future for semiconductors

In the beginning of the month we attended the IMAPS Device Packaging Conference in Arizona. The main take from the event is that the packaging industry confirms that our CNF-MIM capacitor technology concept is right on target for future scaling of semiconductor packages.

[Read the summary here: https://www.smoltek.com/imaps2020-summary/](https://www.smoltek.com/imaps2020-summary/)



Smoltek CTO, Vincent Desmaris

Upcoming events – Covid-19 impact

We are still preparing for the all-important ECTC in Florida, US at the end of May, and will do so until further notice of the event being cancelled or postponed.

Preparations are also in progress for IEEE Nano that will be held in Montréal, Canada, at the end of July.

For both events we are in contact with the organizers and follow their moves due to the outbreak of Covid-19.

IP update

Our second patent of the year was granted just a week ago. The actual invention is a bonding film that utilizes conductive nanostructures, and thereby provide properties that enable further miniaturization of semiconductor assemblies.

[Read about patent 57: https://www.smoltek.com/post/smoltek-patent-no-57-now-granted](https://www.smoltek.com/post/smoltek-patent-no-57-now-granted)



Smoltek Founder and CIO, Shafiq Kabir

Media mentions

The Swedish Tech News 'Ny Teknik' has picked up on the news about the recently signed license agreements. In a short interview, made just the other day they come to the conclusion that this is: Great progress on Smoltek's carbon nanofiber capacitors.

<https://www.nyteknik.se/premium/stort-framsteg-for-smolteks-kondensatorer-av-kolnanofiber-6992117>

Financial update

The AGM has been postponed from May 7 to somewhere in June due to concerns about the spread of Covid-19, and the peak in our part of Sweden anticipated to late April or early May. Notice to the meeting will be announced four weeks or more in advance. The annual report is planned to be published April 23.

Industry Highlights

We are sure that you are already updated on what's buzzing in the semiconductor and electronics industry. In case you need more, here are three new articles to indulge:

Active interposers for more efficient chiplets needs thinner capacitors:

<https://spectrum.ieee.org/tech-talk/semiconductors/processors/core-processor-chiplets-isscc-news>

Why low ESL matters in capacitors:

<https://passive-components.eu/effects-of-esl-on-the-performance-of-capacitors/>

The importance of low ESR in capacitors:

<https://passive-components.eu/why-low-esr-matters-in-capacitor-design/>

Keep up the spirit!

Hoping above glimpses are encouraging. Things seems bright from our horizon even though the close future may look quite uncertain due to the Covid-19 outbreak.

Until next time, stay tuned for our press releases, website newsfeed and social media postings during the spring. And most important these days – Stay safe!

/Regards,



Anders Johansson, CEO

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